

bird, never having seen it before. It was shot at Killingsuvanda." Accordingly, in the Catalogue of his Eggs sold by Mr. Stevens in 1856, he stated, under the head of "*Anas albifrons*," that "this interesting bird is the proper Fjell-gas of the Swedes, which name has, however, been applied to the Bernicle in their works on Natural History. The Lapland specimens seem to be of the small-sized race, which has been named *Anser minutus* by Naumann." I must here take exception to part of Mr. Wolley's statement, some Swedish writers being quite aware that the "Fjäll-Gås" was not *Anser leucopsis*, as, for instance, Professor Zetterstedt, in the account of his travels in Lapland \* (vol. ii. p. 161).

In the Catalogue of his Eggs sold in the following year (1857), Mr. Wolley further identified "the only White-fronted Geese which breed in Lapland," with the *Anser finmarchicus* of Bishop Gunner, described in one of the notes (pp. 264-5) of Professor Leem's great work †, "as distinct from the larger White-fronted Goose."

I can only say that I entirely coincide with the views thus expressed by Mr. Wolley, while I also identify the "Killio-hanh†" or "Fjäll Gås," with the *Anser erythropus* of Linnaeus; and I here subjoin a concise summary of the principal synonyms of this bird.

#### ANSER ERYTHROPUS (Linn.).

*Anas (Anser) erythropus*, Linn. Syst. Nat. ed. 12 (1766), vol. i. pars 1. p. 197 (non Auct.).

*Anser finmarchicus*, Gunner, in Leemii de Lappon. Comm. notis (1767), p. 264.

*Anser temminckii*, Boié, Isis, 1822, p. 882.

*Anser minutus*, Naum. Naturgesch. der Vög. Deutschl. (1842) vol. xi. p. 365, tab. 290.

#### 7. LIST OF BIRDS COLLECTED BY MR. WALLACE AT THE MOLUCCA ISLANDS, WITH DESCRIPTIONS OF NEW SPECIES, ETC. BY GEORGE ROBERT GRAY, F.L.S., F.Z.S., ETC.

(Aves, Pls. CLXIX.-CLXXII.)

The present list contains an enumeration of the Birds lately sent to this country by that indefatigable collector Mr. Wallace, from Batchian or Bakian Island, including a few from Kaisa or Kiou Island; to these are added those that he had forwarded on a previous occasion from Amboyna and Ternate; thus embracing a hundred species found on four of the Molucca Islands. I am therefore induced to refer to the names of those species that have been recorded

\* 'Resa genom Sveriges och Norriges Lappmarker, af Joh. Wilh. Zetterstedt.' Two vols. 8vo. Lund, 1822.

† 'Canuti Leemii de Lapponibus Finnarchiae Commentatio, una cum J. E. Gunneri notis, &c. &c.' Kjöbenhavn, 1767.

‡ In Europæus' "Svenskt-Finskt Handlexikon" (Helsingfors, 1853), the word is spelled "Kallio" (*vide* page 42, *sub voce* 'Berg').

by other ornithologists as coming from the Molucca group, and also from the large neighbouring islands of Gilolo or *Halmahera*, Ceram, Bouro or Bourou, &c., which, if taken collectively with the Moluccan species, will form the nucleus of an Ornithological Fauna (of upwards of 200 species) of what would be more properly designated the Spice Islands.

I have been enabled by a very recent arrival from Gilolo and Ternate, to add to this list some twenty-seven additional species; they are distinguished by an asterisk.

#### FALCONIDÆ.

##### AQUILA (HETEROPUS?) GURNEYI. (Pl. CLXIX.)

*Immature*.—Male. Hair brown, varied with buffy-white in the form of bars and streaks; the head, neck, beneath the body, and tail-coverts rufous-white, except on the breast and sides, which are rufous; this latter colour is also sparingly displayed in patches on the head and neck; the lesser wing-coverts and scapulars irregularly banded with white; the greater wing-coverts, secondaries, tertials, and tail deep brown, banded irregularly with grey; the primaries deep black.

*Mature bird* probably brownish black, with indications of irregular greyish bands.

Length 35" 6", wings 22" 3", tail 16" 3", bill from gape 2" 3".  
Batchian Island (*Wall. Coll.*).

This fine bird partakes of the form of *Aquila malayensis*, but it is larger and of a totally different colour. I have named this remarkable bird after J. H. Gurney, Esq., who is paying particular attention to the group to which it belongs, and who possesses one of the finest series of them.

##### \*HALIAËTUS (CUNCUMA) LEUCOGASTER.

*Falco leucogaster*, Gmel. S. N. i. p. 257.

*Haliætus leucogaster*, Gould.

Gilolo (*Wall. Coll.*).

##### HALIASTUR LEUCOSTERNUS, var.

B.M.

*Haliaëtus leucosternus*, Gould, B. of Austr. i. pl.

*Haliastur leucosternus*, G. R. Gray, List of B. B.M. i. p. 13.

*Haliaëtus (Ictinoëtus) leucosternon*, Kaup.

Batchian, Amboyna, and Ternate.

Rather smaller in all its proportions to the Australian and Louisiade specimens.

##### BAZA REINWARDTII.

B.M.

*Falco (Lophotes) reinwardtii*, Müll. & Schleg. Verh. Nederl. t. 5.

*Lophastur jerdoni*, Bl. Journ. A. S. B. xi. p. 464.

*Baza jerdoni*, Bl. Cat. of B. p. 18.

*Baza reinwardtii*, Bl. Cat. p. 317.

*Aviceda reinwardtii*, Pr. B.

*Aviceda sumatrensis*, Lafr. Rev. Zool. 1848, p. 210?

Batchian.

**TINNUNCULUS MOLUCCENSIS.**

B.M.

*Cresserelle des Moluques*, Temm. & Schl. Fauna Jap. p. 3.

*Tinnunculus moluccensis*, Homb. & Jacq. Voy. au Pôle Sud, Ois. t. 1. f. 2.

*Falco tinnunculus*, Müll. Verh. Ethn. p. 87?

Batchiau; Kaisa Island; Amboyna; Ternate; Djilolo.

*Hierax cærulescens*, Vig. Molucca Islands.

**ASTUR IOGASTER.**

*Falco hiogaster*, Müll. & Schleg. Verh. Nederl. p. 110.

*Epervier océanien*, ♂, Voy. au Pôle Sud, t. 2. f. 1.

*Accipiter hyogaster*, Pr. B. Conspl. Av. i. p. 33.

Amboyna and Gilolo (*Wall. Coll.*).

**ASTUR GRISEOGULARIS.**

B.M.

Adult. Greyish-slate colour; more decidedly grey on head and mentum; nape and between the shoulders tinged with rufous vinaceous; beneath the body rufous vinaceous, narrowly banded with greyish-white.

Young male? Head and throat slaty-grey, paler on the latter; nape castaneous; back and wings brown and greyish-black mixed; tail brown, and some feathers greyish-black, banded with darker; breast, sides of abdomen, and thighs rufous, barred with white, which is margined with black; abdomen white, broadly barred with fuscous; beneath the tail, old feathers rufous-white barred with black, new feathers grey barred with black.

Female. Head, occiput, and ear-coverts black, varied with black and slightly with rufous; back and wings brown, each feather spotted with white and margined with pale rufous; upper surface of tail brown, banded with black, paler brown between the bands near the shaft; beneath the body white, marked with streaks on the breast, and crescent-shaped bands of black on the abdomen.

Length 18" 6", tarsi 2" 5".

Batchian, Djilolo, and Ternate.

This bird approaches *Astur approximans* (Vig. & Horsf.), but the bill is larger; the head and throat are decidedly grey; the tarsi are much shorter, though the toes are about the same length.

**\*ASTUR HENICOGRAMMUS.**

Juv.? Head and back of neck black, varied with white, and slightly with rufous; back, wing-coverts, and tertials black, spotted with white, the former colour narrowly margined with rufous; quills and tail-feathers black and rufous banded; under surface white banded with rufous, the rufous colour on breast varied with black;

under surface of wings and tail rufous white, spotted or banded with black.

Length 16", wings 8" 9".

East Gilolo.

Probably a very young stage of *Astur griseogularis*.

#### \*ACCIPITER ERYTHRAUCHEN.

Slaty-black; lore, cheeks, mentum, abdomen, and under tail-coverts slaty-white; side of neck and nape castaneous rufous; breast, sides of abdomen, and thighs whitish-rufous; under wing-coverts rufous-white, varied with slaty-white; quills beneath banded with rufous or slaty-white and slaty-black.

Length 11" 9", wings 8" 9".

East Gilolo (*Wall. Coll.*).

#### MICRONISUS SOLOENSIS.

*Falco soloensis*, Horsf. Linn. Trans. xiii. p. 137.

*Falco cuculoides*, Temm. Pl. Col. 110. 129.

*Tachyspiza soloensis*, Kaup. Classif. der Saug. und Vög. p. 116.

*Micronisus soloensis*, G. R. Gray.

Batchian (*Wall. Coll.*).

#### STRIGIDÆ.

##### \*ATHENE RUFOSTRIGATA.

This bird approaches the *Athene connivens* in general appearance, but it is of a blackish-slate colour on the upper surface; the bands on the quills and tail-feathers are less prominent, and the white spots on the wings are less numerous; while the longitudinal streaks on the white under surfaces are of a rufous colour, slightly varied with slaty-black.

Length 17" 9", wings 11" 6".

East Gilolo (*Wall. Coll.*).

##### ATHENE HYPOGRAMMA.

B.M.

Upper surface uniform deep rufous-brown, more obscure on the head; scapulars and some of the wing-coverts banded with white; front and throat white; under surface entirely white, broadly banded with brownish-rufous; tail banded with paler colour; tarsi plumed and rufous-white; toes covered only with strong scattered hairs.

Length 15" 3", wings 8" 9".

Batchian and Gilolo.

This bird bears a great similarity to the *Athene variegata* (Q. & G.), but it does not exhibit the marks visible on the upper surface of that bird and it also differs in having the barring of the under surface extending on the tail-coverts. It is also larger in all its proportions.

*Athene squamipila*, Pr. B. Ceram.

##### EPHIALTES LEUCOSPILA.

B.M.

Upper surface rufous, speckled and irregularly striated longitu-

dinally with black ; the marks on the head are broader and more defined ; under surface varied with rufous and white, with black irregular marks down the shaft of each feather ; scapulars, wing-coverts, outer margins of quills, and of the outer tail-feather spotted with white ; tarsi plumed ; toes entirely naked.

Length 11", wings 6" 6".

Batchian and Eastern Gilolo.

In general appearance this bird is very like *Ephialtes manadensis* (Q. & G.), but it is larger in all its proportions, and is more prominently marked with white on the wing-coverts.

*Ephialtes magicus*, Müll. Amboyna ; Banda Islands.

#### CAPRIMULGIDÆ.

##### Batrachostomus psilopterus.

Rufous-cinnamon ; front, middle of throat, breast, abdomen, and under tail-coverts varied with rufous and white—the latter colour margined with black ; wing-coverts, scapulars, and some of the tertials spotted with white, surrounded with black ; a spot behind each eye and at the base of mandibles white ; tail irregularly banded with black ; quills black, with the outer web cinnamon colour ; bristles lengthened and deep black.

Length 12", wings 7".

Batchian and Gilolo (*Wall. Coll.*).

#### HIRUNDINIDÆ.

##### Macropteryx mystaceus.

B.M.

*Cypselus mystaceus*, Less. Voy. de la Coqu. Zool. i. t. 22.

*Macropteryx mystaceus*, Swains. Classif. of B. ii. p. 340.

*Dendrochelidon mystaceus*, Boié, Isis, 1844, p. 166.

Batchian and Eastern Gilolo ; Amboina.

##### Collocalia hypoleuca.

B.M.

*Collocalia hypoleuca*, G. R. Gray, Proc. Z. S. 1858, p. 170.

Batchian.

*Collocalia esculenta* (?). Amboyna.

##### Hirundo gutturalis.

B.M.

*Hirundo gutturalis*, Scop.

*Hirundo panayensis*, Gmel. S. N. i. p. 1018.

*Hirundo javanica*, Sparrm. Mus. Carls. t. 100.

Batchian and Gilolo.

#### CORACIADÆ.

##### Eurystomus orientalis.

*Coracias orientalis*, Linn. S. N. i. p. 159.

*Eurystomus orientalis*, Steph. Gen. Zool. xiii. p. 99.

*Colaris orientalis*, Cuv. Rég. Anim. 1817, i. p. 401.

Batchian and Ternate (*Wall. Coll.*).

**EURYSTOMUS AZUREUS.**

B.M.

Bronzy-black, tinged with green on the back ; the feathers of the wings, rump, and beneath the body broadly margined with deep blue, but the latter varying, in certain lights, to bright cobalt-blue, especially on the quills, tail-feathers, and beneath the body ; the throat blue, with the shaft of each feather more bright ; the quills near the middle with a pale verditer spot.

Bill and feet red.

Length 13" 6", wings 8", bill from gape 1" 9".

Batchian.

*Eurystomus pileatus*, Reinw. Molucca.

**ALCEDINIDÆ.****\*HALCYON FUNEBRIS.**

B.M.

*Halcyon funebris*, Forst., Pr. B. Conspl. Av. i. p. 157.

*Cyanalcyon funebris*, Pr. B.

Djilolo.

**HALCYON COLLARIS (var.).**

B.M.

*Alcedo collaris*, Scop. Del. Flor. & Faun. Insubr. p. 90.

*Halcyon collaris*, Swains. Zool. Illustr. pl. 27.

Batchian and Gilolo.

The bill appears to be of a smaller size than those of the Indian continent.

**HALCYON LAZULI.**

B.M.

*Alcedo lazuli*, Temm. Pl. Col. 508.

*Halcyon lazuli*, G. R. Gray, Gen. of B. i. p. 79.

*Todiramphus lazuli*, Pr. B. Conspl. Av. p. 157.

Amboyna.

**HALCYON DIOPS.**

B.M.

*Alcedo diops*, Temm. Pl. Col. 272.

*Halcyon diops*, G. R. Gray, Gen. of B. i. p. 79.

*Todiramphus diops*, Pr. B. Conspl. Av. p. 157.

Amboyna, Ternate, Batchian, and Gilolo.

**\*HALCYON SANCTUS.**

*Halcyon sancta*, Vig. & Horsf. Linn. Trans.

Ternate. (*Wall. Coll.*)

**TANYSIPTERA NAI'S.**

*Alcedo dea*, Linn. ?

Upper surface black, with the feathers broadly margined with indigo, those of the cheeks, nape, and wing-coverts brighter blue ; top of the head margined with silvery-blue ; eyebrows, round the occiput, shoulder of wings, and the narrow central portion of the two middle tail-feathers verditer-blue ; beneath the body, rump, and

lengthened spatular ends of the two middle tail-feathers white; the outer tail-feathers white, broadly margined with blue-black.

Length 12", wings 4", bill from gape 1" 11".

Amboyna (*Wall. Coll.*).

This bird, it is supposed, will eventually be found to possess some characters distinguishing it from that described by Linnæus, as from Ternate, and therefore the above name has been given to it provisionally.

**TANYSIPTERA ISIS†.**

B.M.

Upper surface dull black, with the feathers of the nape margined with deep blue; cheeks and some of the wing-coverts margined with bright blue; top of head silvery-blue; eyebrows, round occiput, and margins of shoulders verditer-blue; beneath the body and rump white; tail-coverts deep blue; two middle tail-feathers verditer-blue, margined with bright blue, the inner margin near the base and the short spatular ends white; lateral feathers deep blue, with the ends and inner webs more or less white.

Length 11" 9", wing 3" 8", bill from gape 1" 8".

Batchian and Gilolo.

This species is nearest to the remains of an example of this genus which I described under the name of *Tanysiptera nymphæ*; but the middle tail-feathers are of a bright indigo-blue, and not so narrow near the ends, which are also not so spatula-shaped; the outer feathers are entirely of a bluish-black; the crown of the head is also of a bright indigo-blue.

**TANYSIPTERA SABRINA.** (Pl. CLXX.)

B.M.

Upper surface black; cheeks, nape, and upper part of back deep blue; top of head bright blue; eyebrows, round the occiput, and shoulders of wings, silvery-blue; spot in the middle of back, beneath the body, and lateral tail-feathers, white; the two middle tail-feathers with the basal part and the lengthened spatular ends white; the narrow part silvery-blue.

Length 12" 9", wings 4" 3", bill from gape 1" 8".

Kaisa or Kiou Island.

This species is like Mr. Gould's *Tanysiptera sylvia*, in having the white spot on the middle of the back; otherwise it is most like *Tanysiptera naïs*, though the blue is of a different hue.

The genus *Tanysiptera* now consists of the following species:—

*T. dea*, Linn. Ternate.

(?) *T. naïs*, G. R. Gray. Amboyna.

*T. galatea*, G. R. Gray (*A. dea*, Less.). New Guinea.

*T. hydrocharis*, G. R. Gray. Aru Islands.

*T. nymphæ*, G. R. Gray. Philippine Islands?

*T. isis*, G. R. Gray. Batchian and Gilolo.

*T. sabrina*, G. R. Gray. Kaisa Island.

*T. sylvia*, Gould. Cape York.

† This seems to be the bird described by Herr F. Heine in Cabanis' 'Journal für Ornithologie,' 1859, p. 406, as *Tanysiptera margaretha*.—P. L. S.

**CEYX LEPIDA.**

B.M.

*Ceyx lepida*, Temm. Pl. Col. 591. f. 1.

Amboyna and Batchian.

**CEYX UROPYGIALIS.**

B.M.

Black, with the feathers of the head and wing-coverts bordered with prussian blue; cheeks streaked with the same colour; the back and tail-coverts streaked with bright ultramarine blue; the rump verditer, narrowly banded with white; the throat, and spot on the side of neck, yellowish-white; frontlet and beneath the body rufescent, tinged with yellow.

Length 5" 1", wings 2" 4", bill from gape 1" 7".

Batchian and Ternate.

*Alcedo ispida*, var. des Moluques. Bourou or Bouro; Banda.**ALCYONE AFFINIS.**

B.M.

The form of the bill agrees with that of *Alcyone lessoni* of New Guinea, but is rather shorter; the blue of the upper surface is of a paler hue, while the breast and abdomen are of a more uniform dark rufous colour. In these latter respects it agrees best with *Alcyone pulchra* of Mr. Gould.

Batchian.

**\*MEROPS ORNATUS.**

*Merops ornatus*, Lath. Ind. Orn. Suppl. p. xxxv.  
Ternate (*Wall. Coll.*).

**PROMEROPIDE.****NECTARINIA ASPASIOIDES.***Nectarinia aspasia*, pt., Müll.

This bird seems to agree with the figure given by Lesson in Voy. Coqu. t. 30. f. 2, in its general coloration, but the bill is much longer.

Amboyna (*Wall. Coll.*).**NECTARINIA AURICEPS.**

B.M.

This bird is closely allied to the last, but the top of the head is rich golden green; and the throat, lower part of back, and wing-coverts are of a rich glossy steel-blue.

Batchian and Ternate.

**NECTARINIA FRENATA.**

B.M.

*Nectarinia frenata*, Müll. Verh. Nat. Gesch. p. 61.*Cyrtostomus frenatus*, Reichenb.

Batchian and Ternate.

*Nectarinia solaris*, Temm. Amboyna.*Nectarinia zenobia*, Less. Amboyna; Gilolo.

**DICÆUM SCHISTACEICEPS.****B.M.**

Head, neck, and breast greyish-slate ; the latter with a large spot of vermillion ; back, sides, and under tail-coverts olive-green ; upper tail-coverts yellowish green ; wings and tail æneous.

Length 3" 5", wings 2".

Batchian and E. Gilolo.

*Dicæum erythrothorax*, Less. Bourou ; Amboyna.

*Dicæum rubrocanum*, Temm. Banda.

**MELIPHAGIDÆ.****MYZOMELA SIMPLEX.****B.M.**

Rufous greyish-brown ; paler beneath ; quills and tail obscure brown, margined with brownish-crimson ; bill black ; feet pale brown.

Length 5" 2", wings 2" 3".

Batchian.

*Myzomela boiei*, Müll. Banda.

**ANTHOCHÆRA SENEX.****B.M.**

*Tropidorhynchus gilolensis*, Temm. Pr. Conspl. Av. p. 390 ?

Fuscous-black, with the shafts pure white, especially on the throat and breast ; wings grey, with the tips and shafts of the feathers pure white ; orbits of the eyes naked ; bill and feet black.

Length 9", wings 4" 3", bill from gape.

Batchian and Gilolo.

*Tropidorhynchus subcornutus*, Temm. Ceram.

*Tropidorhynchus bouroensis*, Less. Bourou.

*Tropidorhynchus ? moluccensis* (Gm.). Molucca.

**LUSCINIDÆ.****ACROCEPHALUS ORIENTALIS.****B.M.**

*Calamoherpe orientalis*, Pr. B. Conspl. Av. p. 285.

Batchian.

**ACROCEPHALUS FASCIOLATUS.**

Deep olivaceous-brown, with the shafts of the feathers on the head and upper part of neck of a pale colour ; the lores and cheeks yellowish-white ; the throat and breast yellowish-white, banded with dusky ; the abdomen yellowish-white, darker on the sides ; the under tail-coverts pale rufous-white.

Length 7", wings 3".

Batchian (*Wall. Coll.*).

**SYLVIA FLAVESCENS.**

Greyish olivaceous-green, with a narrow band from nostrils over the eyes and ear-coverts yellowish-white ; beneath the body white, tinged with greyish on the throat ; breast and sides with dashes of pale yellow ; the abdomen and under tail-coverts tinged with pale

yellow; upper mandible black, lower yellowish-white; feet pale horn-colour.

Length 4" 10", wings 2" 6".  
Batchian (*Wall. Coll.*).

**ZOSTEROPS CHLORIS.**

B.M.

*Zosterops chloris*, Müll. Pr. B. Conspl. Av. p. 398.  
Ternate.

**ZOSTEROPS (?) ATRICEPS.**

Yellowish-green; the head, tail, and quills brownish-black, the two latter bordered narrowly with yellowish green; beneath the body and under wing-coverts white; the under tail-coverts pale king-yellow; the circle round the eyes white; bill black, with base of lower mandible yellowish; feet horn-colour.

Length 4" 10", wings 2" 4".  
Batchian (*Wall. Coll.*).

**MOTACILLA FLAVESCENS.**

*Timor Wagtail*, Lath. Gen. Syn. iv. p. 104.

*Motacilla flava*, var.  $\beta$ , Lath. Ind. Orn. ii. p. 504.  
*Motacilla flavescens*, Shaw, Gen. Zool. x. p. 559.  
Amboyna and Gilolo (*Wall. Coll.*).

**ANTHUS ARBOREUS**, var.

*Alauda trivialis*, Linn. ?  
*Anthus arboreus*, Bechst.  
*Pipastes arboreus*, Kaup.  
Batchian (*Wall. Coll.*).

**TURDIDÆ.**

**\*TURDUS (MONTICOLA) ERYTHROPTERUS.**

Blue grey, each feather margined with black and then white or dusky white; wings and tail black, margined externally with blue grey and tipped with pure white; some of the under wing-coverts and under tail-coverts castaneous rufous, marked with bluish-black and margined with white.

Length 10", wings 5" 3".  
Djilolo (*Wall. Coll.*).

**PITTA INORNATA**†.

B.M.

The appearance of this bird is very similar to *Pitta mackloti* and *P. celebensis*, but it is without any sign of the pale blue vertical band, and without the prominent black mark above and below the broad blue pectoral band; the bill is larger, and the tarsus a trifle longer, than in either of the above-mentioned species. The blue on the lower part of the back and on the wings is less apparent. In size it is very similar to the other allied species.

Batchian and Gilolo.

† Described by Herr F. Heine (Journ. f. Orn. 1859, p. 406) as *Coloburis rufiventris*.—P. L. S.

**\*PITTA MAXIMA.****B.M.***Pitta maxima*, Forsten, Verh. Nat. Gesch. Nederl. p. 14.*Brachyurus maximus*, Pr. B. Conspl. Av. i. p. 253.*Gigantipitta maxima*, Pr. B.

Gilolo.

**\*PITTA CYANONOTA.****B.M.**

Very similar to the former species, but the back and wings are entirely of a whitish-blue colour.

Ternate.

*Pitta cyanoptera*, Temm. Molucca.*Pitta brachyura*, Linn. Molucca.**CRINIGER FLAVICAUDUS.****B.M.***Trichophorus flavicaudus*, Pr. B. Conspl. Av. p. 262.*Trichophorus sulphureus*, Temm.

Batchian and Djilolo.

**\*ORIOLUS PHÆOCHROMUS.**

Obscure olivaceous-brown; beneath the body greyish-olivaceous, especially on the throat; wings and tail pale olivaceous-brown, with the shafts of the quills and tail rufous-white; the feathers are also slightly margined with pale olivaceous white. Bill and tarsi black.

Length 10", wings 5" 3".

East Gilolo (*Wall. Coll.*).**MUSCICAPIDÆ.****RHIPIDURA TRICOLOR.***Rhipidura mimoides*, Müll. MSS.*Muscicapa tricolor*, Vieill. N. Dict. H. Nat. xxi. p. 490.

*Muscipeta melaleuca*, Quoy et Gaim. Voy. de l'Astrol. Zool. i. p. 180.

*Rhipidura melanoleuca*, G. R. Gray, Gen. of B. i. p. 259.*Sauloprocta melanoleuca*, Cab. Mus. Orn. Hein. p. 57.*Rhipidura atripennis*, G. R. Gr.

Batchian; Ternate; Djilolo; Amboyna.

The specimens from these localities are so similar to those from New Ireland, New Guinea, and Aru Island, that it is not possible to define characters to distinguish them from one another. I was induced to separate those of the last-mentioned place, from their wings and tails being of a deeper black colour, which may be owing to the age of the bird. In Australia this species is represented by *R. maculoides*, which is altogether smaller.

*Rhipidura squamata*, Müll. Banda.**\*MONARCHA CINERASCENS.***Drymophila cinerascens*, Temm. Pl. Col. 430.*Monarcha cinerascens*, G. R. Gray.Ternate (*Wall. Coll.*).

**MONARCHA BIMACULATA.**

Like *M. trivirgata*, Temm. (ex Timor), but the bill is very small, and entirely black ; the tail has the white only on the end of the two outer feathers.

Length 6", wings 3", bill from 7".

Batchian and Djilolo (*Wall. Coll.*).

**MONARCHA NIGRIMENTUM.**

B.M.

Like *M. trivirgata* (ex Timor), but the bill is rather longer and more compressed ; the black on the throat only occupies a small space beneath the bill ; the tail also differs in not having any white on the ends of the four middle feathers, but only on the three outer feathers, decreasing in quantity inwardly ; bill blue lead ; feet lead-colour.

Length 6" 10'", wings 3", bill from gape 9".

Amboyna.

It may be concluded that each locality has its own peculiar species, as we find that the Timor examples are different from the others, in having a greater quantity of white on the ends of the outer tail-feathers, and that this colour is even found on the inner web of the fourth feather ; while in the Australian examples, the white colour is only found on the three outer feathers, and does not extend so far up the feather as in the former species ; the bill is also a trifle smaller. This latter may be considered as *Monarcha gouldii*, G. R. Gr. An allied species has been described in the New Guinean list as *Monarcha griseogularis.*, G. R. Gr.

**MYIAGRA NITENS.**

B.M.

♂. Black, with the feathers broadly margined with glossy deep green ; quills and tail black, both narrowly margined with glossy green.

♀. Upper part of head black, with broad margins of glossy deep green ; nape rufous-grey, slightly mottled with black ; back, wings, and tail rufous ; beneath the body pure white.

Length 6" 6'", wings 3" 4".

Batchian (*Wall. Coll.*) and Ternate.

This bird is very like the *M. lucida*, G. R. Gr., in its general appearances and colour ; but it is less in all its proportions.

**MYIAGRA GALEATA.**

B.M.

Head glossy greenish-black ; back, wings, and tail grey, tinged with glossy green ; beneath the body pure white.

Length 5" 6'", wings 2" 6'", bill from gape 8".

Batchian.

*Myiagra manadensis* (Q. & G.). Amboyna.

## AMPELIDÆ.

## PACHYCEPHALA XANTHOCNEMIS.

Olivaceous brown, obscure on the head; wings fuscous black, margined with rufous brown; tail rufous brown; ear-coverts pale rufous; beneath the body rufous white, tinged with yellow on the abdomen; thighs and under tail-coverts yellow, slightly tinged with rufous; under wing-coverts white, tinged with rufous, and the bent of the wings beneath yellow; bill black; feet fuscous.

Length 6" 9", wings 3" 4".

Amboyna (*Wall. Coll.*).

## PACHYCEPHALA MELANURA.

B.M.

*Pachycephala melanura*, Gould, B. of Austr. ii. pl. 66.

*Turdus armillaris*, Temm.

*Lanius cucullatus*, Licht.

Batchian and Ternate.

*Myiolestes phaionotus*, Müll. Banda.

*Xenogenys azureus* (Temm.). Banda.

## CAMPEPHAGA MAGNIROSTRIS.

B.M.

*Grauculus magnirostris*, Forsten?; Pr. B. Consp. Av. i. p. 354?

Gilolo.

## CAMPEPHAGA MELANOLORA.

B.M.

Very like *C. mentalis*, Vig. & Horsf.; but the bill is much larger, being 1" 3½" from gape; quills and tail feathers margined, and the latter tipped with grey.

Length 11" 11"; wings 5" 11".

Batchian and Ternate.

## CAMPEPHAGA MELANOTIS.

Blue-grey; lores, ear-coverts, wings, and tail black; with the margins of the greater wing-coverts and quills and the two middle tail-feathers blue-grey, but the latter have black ends.

This bird is very like *Campephaga tenuirostris* (Jard. & Selby), but the bill is rather shorter and broader at its base; the bird itself is also less in all its proportions.

Length 9" 6", wings 4" 9".

Batchian and E. Gilolo (*Wall. Coll.*).

## CAMPEPHAGA (LALAGE) AUREA.

B.M.

*Cebblephyrus aureus*, Temm. Pl. Col. 382. f. 2; Voy. au Pôle Sud, Ois. t. 10. f. 3.

*Campephaga aurea*, G. R. Gray.

*Lalage aurea*, Pr. B. Consp. Av. p. 355.

Batchian and Ternate.

*Campephaga atriceps*, Müll. Ceram.

*Campephaga novæ guineæ* (Lath.). Molucca.

*Campephaga papuensis* (Gmel.). Banda.  
*Campephaga bicolor*, Temm. Banda.  
*Campephaga fimbriata*, Temm. Banda.  
*Campephaga ceramensis*, Pr. B. Ceram.  
*Pericronotus flammeus* (Forst.). Banda.

**ARTAMUS LEUCORHYNCHUS.** B.M.  
*Artamus leucorhynchus* (Gm.), Pr. B.  
 Batchian and Gilolo.  
*Artamus fuscus*, Vieill. Molucca.

#### DICRURUS ATROCÆRULEUS.

Deep blue-black ; the wings and tail and spots on the head and breast rich glossy green.

Length 13", wings 8" 9", bill from gape 1" 5".  
 Batchian and E. Gilolo (*Wall. Coll.*).

This species approaches most to the New Guinean bird in the form of its bill, but is larger in all its proportions, and is without the chalybeous spots on the back and abdomen.

#### DICRURUS AMBOINENSIS.

Very like the *D. forficatus* ; but the steel spots on the head and throat have a purplish hue, and the back and abdomen are less glossy.

Length 11" 9", wings 5" 8", bill from gape 1" 5".  
 Irides red.

Amboyna (*Wall. Coll.*).

This bird is most like the Javanese and Celebes examples in the form of its bill, though they all differ in their relative proportions from each other.

#### LANIIDÆ.

*Tephrodornis gularis* (Raffl.). Banda.

#### CORVIDÆ.

**CORVUS VALIDISSIMUS.** B.M.  
*Corvus validissimus*, Schleg. Not. sur Corv. p. 12.  
 Batchian ; Djilolo and Gilolo.

**CORVUS ENCA.** B.M.  
*Corvus enca*, Horsf. Linn. Trans. xiii. p. 164.  
 Kaisa Island and Ternate.  
*Corvus violaceus*, Temm. Ceram.  
*Corvus validus*, Temm. Ceram.  
*Crypsirina varians* (Lath.). Banda.

## PARADISIADÆ.

## SEMIOPTERA WALLACII.

B.M.

*Paradisea (Semiopptera) wallacii*, G. R. Gray, Proc. Z. S. 1859, p. 130.

*Semioptera wallacei*, G. R. Gray; Gould, B. of Austr. Suppl. pt. 3; Sclat. Ibis, 1860, p. 26. pl. 2.  
Batchian and E. Gilolo.

The Gilolo examples have the lateral pectoral plumes longer than those procured in the first instance from Batchian; yet they cannot be considered as more than a local variety.

## STURNIDÆ.

## LYCOCORAX PYRRHOPTERUS.

B.M.

*Corvus pyrrhopterus*, Temm. Mus. Lugd.; Pr. B. Consp. Av. i. p. 384.

*Lycocorax pyrrhopterus*, Pr. B. Compt. Rend. 1854.

*Pica pyrrhoptera*, Schl. Bijd. tot de Dierk. ii.  
Batchian and Djilolo.

This species, in the form of its bill, agrees with those birds that compose the genus *Manucodia*, rather than with the *Corvidæ*, among which it is placed by Temminck and Schlegel.

## CALORNIS AMBOINENSIS.

B.M.

*Calornis amboinensis*, G. R. Gray, Proc. Z. S. 1858, p. 182.

*Calornis metallicus*, Pr. B. Consp. Av. p. 417; Voy. au Pôle Sud, Ois. t. 16. f. 2.

Amboyna and Ternate.

## CALORNIS OBSCURA.

B.M.

*Lamprotornis obscura*, Forsten; Pr. B. Consp. Av. p. 417.  
Batchian; E. Gilolo.

## STURNIA PYRRHOPOGON.

*Lamprotornis pyrrhopogon*, Schleg. & Temm. Fauna Jap. p. 86.  
t. 46.

*Heterornis pyrrhogenys*, Müll.; Pr. B. Consp. Av. p. 418.  
Batchian (*Wall. Coll.*).

## FRINGILLIDÆ.

## AMADINA MOLUCCA.

B.M.

*Loxia molucca*, L.

*Amadina molucca*, G. R. Gray.

*Munia molucca*, Bl.

Batchian and Ternate.

## BUKEROTIDÆ.

## BUEROS RUFICOLLIS.

*Buceros ruficollis*, Vieill. ; Temm. Pl. Col. 557.

*Buceros plicatus*, Less. Tr. d'Orn. p. 445.

Batchian (*Wall. Coll.*).

*Buceros lunatus*, Temm. Banda.

*Buceros hydrocorax*, Linn. Molucca.

*Buceros exuratus*, Reiau. Molucca.

*Buceros payanensis* (Scop.). Molucca.

## PSITTACIDÆ.

## \*PLATYCERCUS HYPOPHONIUS.

B.M.

*Psittacus (Platycercus) hypophonius*, Müll. & Schl. Verh. Nat. Gesch. Nederl. p. 181.

*Platycercus hypophonicus*, G. R. Gray, Gen. of B. ii. p. 408.

*Aprosmictus hypophonicus*, Pr. B. Rev. et Mag. de Zool. 1854, p. 153.

East Gilolo.

*Palæornis cyanocephalus* (Linn.). Ternate.

## LORIUS GARRULUS, var.

B.M.

*Psittacus garrulus*, Linn. S. N. i. p. 145.

*Psittacus garrulus*, var. *moluccensis* γ, Gmel. S. N. i. p. 334 ; Pl. Enl. 216.

*Domicella garrula*, Wagl. Monogr. Psitt. p. 570.

*Lorius garrulus*, Steph. Gen. Zool. xiv. p. 132.

Batchian and Djilolo.

The examples from Batchian are uniform in having a large sub-triangular spot of yellow between the shoulders ; while those of Djilolo have the yellow spots on the back smaller, and the ends of the tail-feathers of a greenish-purple.

*Lorius domicella* (Linn.). Molucca.

*Lorius tricolor*, Steph. Molucca.

## EOS COCHINSINENSIS.

B.M.

*Psittacus cochinsinensis*, Lath. Ind. Orn. i. p. 116.

*Psittacus riciniatus*, Bechst.

*Psittacus cucullatus*, Shaw, Gen. Zool. viii. p. 461.

*Lorius cucullatus*, Steph. Gen. Zool. xiv. p. 132.

*Lorius isidorii*, Swains. Zool. Illustr. pl. .

*Eos cochinsinensis*, Wagl. Monogr. Psitt. p. 560.

*Eos riciniata*, Pr. B. Rev. et Mag. de Zool. 1854, p. 156.

*Eos isidorii*, G. R. Gray, Gen. of B. ii. p. 417.

Batchian and Gilolo.

## EOS RUBRA.

B.M.

*Psittacus borneus*, Linn. S. N. i. p. 141.

*Psittacus ruber*, Gmel. S. N. i. p. 335.

*Psittacus moluccensis*, Lath. Ind. Orn. i. p. 116.

*Psittacus cæruleatus*, Shaw, Nat. Misc. p. 937.

*Psittacus cyanonotus*, Vieill. N. Dict. d'H. N. xxv. p. 334.

*Eos rubra*, Wagl. Monogr. Psitt. p. 558.

*Lorius borneus*, Steph. Gen. Zool. xiv. p. 132.

Amboyna.

*Eos indica* (Gmel.). Molucca.

*Eos cyanogenia*, Pr. B. Molucca.

*Eos semilarvata*, Pr. B. Molucca.

*Eos squamata* (Bodd.). Bourou.

*Eos unicolor* (Shaw). Molucca.

*Eos ater* (Scop.). Amboyna.

#### CORIPHILUS PLACENTIS.

B.M.

*Psittacus placentis*, Temm. Pl. Col. 553.

*Conurus placens*, Bourj. Perr. t. 46.

*Psittacus (Trichoglossus) placentis*, Müll. & Schl. Verh. Nat.

Gesc. Nederl. Ind. p. 209.

*Coriphilus placentis*, G. R. Gray, Gen. of B. ii. p. 417.

*Psiteuteles placens*, Pr. B. Rev. et Mag. de Zool. 1854, p. 157.

Batchian and Djilolo.

These examples appear to be of a larger size than those obtained in New Guinea.

*Coriphilus solitarius* (Lath.). Molucca (ex Voy. Coqu.).

#### TRICHOGLOSSUS CYANOGRAMMUS.

*Psittacus hæmatodus*, Bodd. Tabl. des Pl. Enl. d'Aubent. p. 4.

*Psittacus hæmatotus*, Gmel. S. N. i. p. 316 ; Pl. Enl. 61.

*Trichoglossus cyanogrammus*, Wagl. Monogr. Psitt. p. 554.

Amboyna.

The New-Guinean examples are smaller than those of Amboyna, but otherwise they are similar.

*Trichoglossus hæmatodus* (Linn.). Molucca.

*Trichoglossus ornatus* (Linn.). Molucca.

#### ECLECTUS GRANDIS.

B.M.

*Psittacus ceylonensis*, Bodd. Tabl. des Pl. Enl. d'Aubent. p. 3 ; Pl. Enl. 683 (var.).

*Psittacus puniceus*, pt., Gmel. S. N. i. p. 335 ; Brown, Illustr. pl. 6.

*Psittacus grandis*, Gmel. S. N. i. p. 683.

*Eclectus grandis*, Wagl. Monogr. Psitt. p. 572.

*Eclectus ceylonensis*, G. R. Gray, Gen. of B. ii. p. 418.

*Psittacus (Psittacula) grandis*, Müll. & Schl. Verh. Nat. Gesch. Nederl. Ind. pp. 107, 108.

Kaisa Island and Gilolo.

*Eclectus cornelia*, Pr. B. Ceram.

*Eclectus cardinalis* (Bodd.). Amboyna ; Ceram.

## ECLECTUS POLYCHLORUS, var.

*Psittacus polychlorus*, Scop. Del. Fl. et Fauna Insubr. p. 87; Sonn. Voy. t. 108.

*Psittacus mugnus*, Gmel. S. N. i. p. 344.

*Psittacus sinensis*, Gmel. S. N. i. p. 337; Edw. Birds, pl. 231. Batchian and Gilolo (*Wall. Coll.*).

*Eclectus intermedius* (Pr. B.). Molucca.

*Eclectus westermanni* (Pr. B.). Molucca.

## TANYGNATHUS MEGALORHYNCHUS.

B.M.

*Psittacus megalorhynchus*, Bodd. Tabl. des Pl. Enl. d'Aubent. p. 45; Pl. Enl. 713.

*Psittacus macrorhynchus*, Gmel. S. N. i. p. 338.

*Psittacus nasutus*, Lath. Ind. Orn. i. p. 118.

*Tanygnathus macrorhynchus*, Wagl. Monogr. Psitt. p. 677.

Batchian and Gilolo.

*Tanygnathus gramineus* (Gmel.). Amboyna.

## PSITTACUS (GEOFFROIUS) PERSONATUS.

B.M.

*Psittacus personatus*, Shaw, Gen. Zool. viii. p. 544; Levaill. Perr. t. 112, 113.

*Psittacus geoffroyanus*, Vieill. N. Dict. d'H. N. xxv. p. 311.

*Psittacus geoffroyi*, (Vaill.) Kuhl, Conspl. Psitt. p. 85. Amboyna; Molucca.

## PSITTACUS (GEOFFROIUS) CYANEICOLLIS.

B.M.

*Psittacus cyanicollis*, Müll. & Schl. Verhandl. Nat. Gesch. Nederl. Ind. p. 108.

*Psittacus (Psittacula) cyanicollis*, Müll. & Schl.

*Geoffroyus cyanicollis*, Pr. B. Conspl. Av. p. 6. Batchian and Gilolo.

*Psittacus fuscicapillus*, Vieill. Bourou.

## CACATUA CRISTATA.

*Psittacus cristatus*, Linn. S. N. i. p. 143.

*Cacatua cristata*, Vieill. N. Dict. d'H. N. xvii. p. 10.

*Cacatua leucolopha*, Less. Tr. d'Orn. p. 182.

*Kakadoe cristata vel albocristata*, Bourg. Perr. t. 82.

Batchian and Ternate (*Wall. Coll.*).

*Cacatua moluccensis* (Gmel.). Molucca.

*Cacatua sulphurata* (Gmel.). Bourou.

## PICIDÆ.

*Megalaima australis* (Horsf.). Banda.

*Megalaima philippensis* (Gmel.). Molucca.

*Picus (Hemicircus) concretus*, Reinw. Banda.

## CUCULIDÆ.

**CENTROPUS GOLIATH.** B.M.

*Centropus goliath*, Forsten; Pr. B. Conspl. Av. p. 108.  
Batchian and Gilolo.

*Centropus medius*, Müll. Amboyna.  
*Centropus bicolor*, Less. (ex Bl.). Gilolo.

**SCYTHROPS NOVÆ HOLLANDIÆ.** B.M.

*Scythrops novæ hollandiæ*, Lath.  
*Cuculus præsagus*, Reinw.  
Batchian.

**CUCULUS CANOROÏDES.** B.M.

*Cuculus canoroides*, Müll. Verh. Nat. Gesch. p. 235.  
Batchian.

**CUCULUS (CACOMANTIS) SEPULCRALIS.** B.M.

*Cuculus sepulcralis*, Müll. ?  
*Cacomantis sepulcralis*, Pr. B. ?  
Batchian.

**\*CUCULUS (CACOMANTIS) TYMBONOTUS.**

*Cuculus tymbonotus*, Müll. ?  
*Cacomantis tymbonotus*, Pr. B. ?  
Ternate (*Wall. Coll.*).  
*Cuculus poliogaster*, Müll. Ternate.  
*Chrysococcyx lucidus* (Gmel.). Amboyna.  
*Eudynamys ransomi*, Pr. B. Ceram.  
*Eudynamys punctatus*. Amboyna.

**\*EUDYNAMIS PICATUS.**

*Eudynamis picatus*, Müll. Verh. Nat. Gesch. Nederl. p. 167.  
Ternate (*Wall. Coll.*); Amboyna.

## COLUMBIDÆ.

**PTILONOPUS (IOTRERON) IOGASTER.** B.M.

*Columba hyogastra*, Reinw. Pl. Col. 252.  
*Columba iogaster*, Wagl.  
*Ptilonopus hyogaster*, G. R. Gray, Gen. of B. ii. p. 466  
*Treron ionogaster*, Reichenb.

*Lotrereron iogastra*, Pr. B. Conspl. Av. ii. p. 25.  
Batchian and Gilolo (*Celebes, Reinw.*).

**PTILONOPUS (CYANOTRERON) MONACHUS.** B.M.

*Columba monacha*, Reinw. Pl. Col. 253; Knip. Pig. t. 53.  
*Ptilonopus monachus*, G. R. Gray, Gen. of B. ii. p. 466.  
*Cyanotreron monachus*, Pr. B. Conspl. Av. ii. p. 24.  
Kaisa Island and Ternate.

**PTILONOPUS (LAMPROTRERON) SUPERBUS.**

*Columba superba*, Temm. Pig. t. 33.

*Ptilonopus superbus*, Steph. Gen. Zool. xiv. p. 279.

*Lamprotreron superba*, Pr. B. Consp. Av. ii. p. 18.

Batchian and E. Gilolo (*Wall. Coll.*) ; Amboyna ; Ternate.

The bird from Batchian appears to be a trifle larger than that from Amboyna, and the band on the breast is also broader ; while that from the Aru Islands is similar, but altogether smaller. *Ptilonopus cyanovirens* ♂ (?), Less., is probably the ♀ of this variety, Knip. & Prev. Pig. t. 8. The Australian specimens are very similar in size to the Amboyna examples ; but the band on the breast has a distinct mixture of green within it.

The Celebes specimens are those of a decidedly distinct species, and are at once distinguished by the purplish-grey breast and the deep green band on the lower part of the latter ; the female has, according to Mr. Wallace's specimens of that sex, the top of the head of a deep purple, with deep bluish-green intermixed ; while on the head of the true *P. superbus* it is of the same colour as the spot on the shoulder of the wings. I have named the Celebes bird *Ptilonopus formosus* ; the ♀ is represented as *Columba superba*, Knip. & Prev. Pig. t. 42.

*Ptilonopus porphyreus*, Temm. Molucca.

*Ptilonopus diadematus*, Temm. Banda.

*Ptilonopus viridis* (Linn.). Amboyna.

*Treron aromatica*, Temm. Amboyna.

*Treron vernans*, Temm. Banda.

**\*CARPOPHAGA (MEGALOPREPIA) FORMOSA.**

B.M.

♂. Emerald green, each feather of the body margined with golden and washed with white on the nape and breast ; head greenish-white, variegated with yellow ; lower part of breast with a rich carmine spot ; abdomen orange-yellow ; lower tail-coverts rufous orange-yellow.

♀. Similar to the male ; but without the carmine spot on the breast.

Length 11" 3'", wings 5" 9".

East Gilolo.

**CARPOPHAGA (DUCULA) BASALIS.**

B.M.

*Columba basalis*, Temm.

*Carpophaga basalica*, Sundev.

*Ducula basalis*, Pr. Bp. Consp. Av. ii. p. 35.

Batchian and Gilolo.

**CARPOPHAGA PERSPICILLATA.**

B.M.

*Columba perspicillata*, Temm. Pl. Col. 246.

*Carpophaga perspicillata*, G. R. Gray, List of Gall. B.M. p. 6.  
Batchian, Kaisa Island, and Gilolo.

The Amboyna specimen differs in having the head, neck, and

breast greyish-white, but is a little darker on the back of the neck ; the back is of a more golden-green, while the wings are of a more decided grey.

**CARPOPHAGA (MYRISTICIVORA) MELANURA ?**

♀. Differs from *Carpophaga luctuosa*, as described and figured by Temminck, Pl. Col. 247, in having the tail of a more uniform black colour, with the inner webs of each feather only white ; this latter colour decreases in depth to the middle feathers, and the quills are of a uniform black. It is of a much smaller size, but is otherwise like *C. luctuosa*.

Batchian and Djilolo (*Wall. Coll.*).

*Carpophaga alba* (Gmel.). Molucca.

*Carpophaga ænea*, Temm. Molucca.

**\*CARPOPHAGA ALBOGULARIS.**

B.M.

*Carpophaga albogularis*, Temm.

*Janthænas albogularis*, Pr. B. Conspl. Av. ii. p. 44.

*Janthænas halmahera*, Pr. B.

East Gilolo.

**MACROPYGIA AMBOINENSIS.**

*Columba amboinensis*, Linn.

*Macropygia amboinensis*, G. R. Gray, List of Gen. of B. 1840, p. 58.

Amboyna (*Wall. Coll.*).

**MACROPYGIA ALBICAPILLA, var.**

B.M.

*Columba albicapilla*, Temm. MSS.

*Macropygia albicapilla*, Pr. Bp. Conspl. Av. ii. p. 57.

Batchian and Ternate.

**MACROPYGIA (REINWARDTÆNA) REINWARDTII.**

B.M.

*Columba reinwardtii*, Temm. Pl. Col. 248.

*Macropygia reinwardtii*, Swains. Classif. of B. ii. p. 349.

*Reinwardtæna typica*, Pr. Bp. Conspl. Av. ii. p. 59.

Batchian and Djilolo (Celebes, Temm.).

*Macropygia leptogrammica*, Temm. Amboyna.

*Turtur bitorquatus*, Temm. Molucca.

**TURTUR SURATENSIS.**

*Columba suratensis*, Lath.

*Turtur tigrina*, Temm.

Ternate and Amboyna (*Wall. Coll.*).

**CHALCOPHAPS MOLUCCENSIS.**

B.M.

*Chalcophaps javanica*, Auct.

Front white ; top of head bronzy-brown ; occiput grey ; streak

over eye greyish-white; cheeks, neck, and breast, and beneath the wings cinnamomeous-red; scapulars and wings rich emerald-green, varied in places with golden colour; back rich bronzy-black, with two bands of grey; rump, tail-coverts, and tail bronzy-black; the lateral feathers of latter grey, with black ends and grey margins; under tail-coverts deep black; vent greyish; abdomen rufous-brown.

Length 11", wings 5" 10", bill from gape 11".

Amboyna and Batchian.

#### CALÆNAS NICOBARICA.

B.M.

*Columba nicobarica*, Linn. S. N. i. p. 288.

*Columba gallus*, Wagl. Syst. Av. Col. sp. 113.

*Calænas nicobarica*, G. R. Gray, List of Gen. of B. 1840, p. 59.

Batchian and E. Gilolo (*Wall. Coll.*).

*Goura coronata* (Linn.). Banda.

#### MEGAPODIDÆ.

##### MEGAPODIUS FREYCINETI.

B.M.

*Megapodius freycineti*, Quoy & Gaim. Voy. Uranie, ii. p. 125. t. 32.

*Megapodius freycineti*, Pl. Col. 220.

Juv. *Alecthelia urvillii*, Less. Voy. de la Coqu. i. p. 703. t. 37.

Kaisa Island, Batchian, and Gilolo.

##### MEGAPODIUS FORSTENI.

B.M.

*Megapodius forsteni*, Temm. MSS.; G. R. Gray & Mitch. Gen. of B. iii. pl. 124.

Amboyna.

##### \*MEGAPODIUS WALLACEI. (Pl. CLXXI.)

B.M.

Front of head and throat greyish olivaceous-brown; hind part of head castaneous-brown; nape and upper part of back olivaceous, slightly vermiculated with black; middle of back, greater wing-coverts and external web of some of the tertials, deep castaneous, with most of the feathers margined with slate-colour; rump, upper tail-coverts, breast, and abdomen slate-colour; lesser wing-coverts, tertials, and tail pale olivaceous-brown; middle of abdomen pure white; primaries brownish-black, spotted or partly margined on the outer webs with buff-white. Bill yellow; feet horn-colour or black.

Length 13", wings 7" 6".

East Gilolo.

This bird differs from all its congeners in the variability of its coloration, a peculiarity which imparts much interest to this new discovery of Mr. Wallace.

#### STRUTHIONIDÆ.

*Casuarius emeu*, Lath. Ceram; Banda.

## CHARADRIADE.

\**SQUATAROLA HELVETICA*, var.

*Tringa helvetica*, Linn.

*Vanellus melanogaster*, Bechst.

East Gilolo (*Wall. Coll.*).

## CHARADRIUS GEOFFROYI.

*Charadrius geoffroyi*, Wagl.

*Hiaticula inornata*, Gould ?

East Gilolo (*Wall. Coll.*).

## CHARADRIUS CIRRHIPEDESMUS.

*Charadrius cirrhipedesmus*, Wagl.

East Gilolo (*Wall. Coll.*).

## CHARADRIUS LONGIPES.

B.M.

*Charadrius fluvialis orientalis*, Temm. & Schl. Fauna Jap. p. 105.

t. 62 ?

Batchian (*Wall. Coll.*).

*Ædicienmus magnirostris*, Geogr. Molucca.

*Glareola grallaria*, Temm. Molucca.

## \*CINCLUS INTERPRES.

*Tringa interpres*, Linn.

*Strepsilas interpres*, Leach.

*Strepsilas collaris*, Temm.

East Gilolo (*Wall. Coll.*).

## ARDEIDÆ.

## ARDEA TYPHON.

*Ardea typhon*, Temm. ?

*Ardea robusta*, Müll.

*Typhon temminckii*, Reichenb.

*Typhon robusta*, Pr. B.

Batchian (*Wall. Coll.*).

## \*ARDEA (EGRETTA) ALBA ?

*Ardea alba*, Linn.

*Ardea sysmatophorus*, Gould.

Ternate (*Wall. Coll.*).

## ARDEA (ARDEOLA) RUSSATA.

*Ardea russata*, Temm.

*Ardea coromandelica*, Licht.

*Ardea coromandelensis*, Steph.

*Bubulcus coromandelensis*, Pr. B. Conspl. Av. ii. p. 125.

Batchian (*Wall. Coll.*).

**ARDEA (ARDETTA) FLAVICOLLIS.***Ardea flavicollis*, Lath. Ind. Orn. ii. p. 701.*Ardea nigra*, Vieill.*Ardetta flavicollis*, Bl.*Herodias flavicollis*, Cab.Batchian (*Wall. Coll.*).*Ardea novae hollandiae*, Lath. Molucca.**\*ARDEA (BUTORIDES) VIRIDICEPS.***Ardea javanica*, Bl.*Ardea scapularis*, Schl.*Ardea chloriceps*, Hodgs.East Gilolo (*Wall. Coll.*).*Argala javanica* (Horsf.). Molucca.*Ibis peregrinus*. Molucca.**\*NYCTICORAX CALEDONICUS.***Ardea caledonica*, Lath.Gilolo (*Wall. Coll.*).**SCOLOPACIDÆ.****\*NUMENIUS AUSTRALASIANUS ?***Numenius australasianus*, Gould.East Gilolo (*Wall. Coll.*).**NUMENIUS MINOR.***Numenius minor*, Müll. & Schl. ?Batchian (*Wall. Coll.*) ; Amboyna.**\*LIMOSA LAPPONICA, var.**East Gilolo (*Wall. Coll.*).**\*TOTANUS (GLOTTIS) HORSFIELDI ?***Totanus horsfieldi*, Sykes.East Gilolo (*Wall. Coll.*).**TOTANUS GRISEOPYGIUS.***Totanus griseopygius*, Gould, B. of Austr.*Totanus pulverulentus*, Temm. & Schl. Fauna Jap. p. 109. t. 65.*Actitis brevipes* (Vieill.), Bl.*Gambetta griseopygia*, Pr. B.Batchian (*Wall. Coll.*).**TOTANUS (TRINGOIDES) HYPOLEUCUS ?****B.M.***Tringa hypoleuca*, Linn. S. N. i. p. 250.*Totanus hypoleucus*, Temm. Man. d'Orn. 1815, p. 424.*Actitis hypoleucus*, Boic, Isis, 1822, p. 649.

*Tringoides hypoleuca*, G. R. Gray, List of Gen. of B. 1841, p. 88.  
*Actitis schlegeli*, Pr. B. Compt. Rend. 1856, p. ?  
 Batchian.

*Tringa subarquata*, Gmel. Molucca.

**SCOLOPAX UNICLAVATUS.**

*Scolopax burka*, Lath. MSS.

*Scolopax uniclavatus*, Hodg. Journ. A. S. B. 1837, p. 492.

*Gallinago burka*, Pr. B. Compt. Rend. 1856, p. .

*Gallinago scolopacinus* (Pr. B.), Bl. Cat. of B. p. 272.

*Gallinago media*, Hodg., Gray's Zool. Misc. p. 86.

Batchian (*Wall. Coll.*).

**PALAMEDEIDÆ.**

*Parra gallinacea*, Temm. Banda; Molucca.

**RALLIDÆ.**

*Porphyrio smaragdinus*, Temm. Banda.

**HABROPTILA.**

Bill longer than the head, strong, with the culmen at the base elevated, broad, rounded posteriorly, and gradually descending towards the tip, which is suddenly curved; the sides compressed to the tip, which is slightly emarginated; the gony moderate, slightly angulated and advancing upwards; nostrils placed in a membranous groove, which extends beyond the middle of the bill, with the opening linear and near the base of the groove. Wings very short, lax, with the fourth to the seventh quills equal and longest. Tail very short and lax. Tarsi robust, as long as the middle toe, and covered with transverse scales. Toes rather robust and long; the lateral toes equal, the hind toe moderate and strong. Claws moderate and compressed. Plumage in general very lax. The wings armed at the bend of the shoulder with a small spine.

**HABROPTILA WALLACII.** (Pl. CLXXII.)

Slate-colour, with a mixture of olivaceous-brown on the body, wings, and upper tail-coverts; tail and quills black; bill and feet red.

Length 16", wings 7" 6", bill 3", tarsi 3" 2".

East Gilolo (*Wall. Coll.*).

This curious bird approaches the *Ocydromi* in the shortness and softness of its wings; the feet are those of a *Porphyrio*. Yet its general appearance might cause it to be taken, at first sight, for a species of *Hæmatopus*.

**ANATIDÆ.**

**TADORNA RADJAH.**

B.M.

*Anas leucomelas*, Garn.

*Anas radjah*, Garn. Voy. de la Coqu. Zool. i. p. 602. t. 49.

*Radja eytoni*, Reichenb.

Batchian, E. Gilolo (*Wall. Coll.*), and Bourou.

The Australian specimens differ from these in being more rufous on the upper part of the back.

*Dendrocygna badia.* Molucca.

COLYMBIDÆ.

\**PODICEPS (SYLBEOCYCLUS) TRICOLOR.*

B.M.

Like *P. minor*, but with a very slight appearance of the black on the mentum; the bill is longer; upper surface of a deep æneous black; cheeks and front of throat deep rufous; under surface æneous black mottled with rufous white.

Ternate.

LARIDÆ.

STERNA VELOX?

B.M.

Batchian; Amboyna.

PELECANIDÆ.

\**SULA FIBER.*

*Pelecanus fiber*, Linn.

*Sula fiber*, G. R. Gray.

N. E. Gilolo (*Wall. Coll.*).

GRACULUS MELANOLEUCUS.

B.M.

*Phalacrocorax melanoleucus*, Vieill. N. Dict. H. N. viii. p. 88.

*Phalacrocorax flavirostris*, Gould.

*Pelecanus dimidiatus*, Cuv.

Batchian.

GRACULUS SULCIROSTRIS.

*Carbo sulcirostris*, Temm.

Batchian (*Wall. Coll.*); Amboyna.

8. DESCRIPTION OF NEW SPECIES OF MITRA FROM THE COLLECTION OF HUGH CUMING, ESQ. BY H. DOHRN.

**MITRA PIA.** *Testa fusiformis, costis crebris, spiralibus, subregulariter distantibus, flavis, nitidis, elatis; interstitia liris minoribus intercostariis et longitudinalibus angustissimis reticulata; alba; sutura distincta; anfr. 7-8 parum convexi, lente accrescentes, ultimus magnus, subtus attenuatus, vix recurvus. Apertura fusiformis, intus alba; columella 4-plicata.*

Long. 58, lat. 18; ap. long. 34, lat. 8 mill.

Hab. Australia.

**MITRA PEASEI.** *Testa subulato-fusiformis, hyalino-albida, spiraliiter obsolete crebricostata, subtilissime longitudinaliter striata; sutura simplex; anfr. 8 planiusculi, ultimus paulo ventrosior, subrecurvus; apertura fusiformis; columella 5-plicata.*

Long. 37, lat. 11; ap. long. 20, lat. 5 mill.

Hab. Australia.

**MITRA AUTUMNALIS.** *Testa turrata, parum nitida, longitudinaliter acute et anguste costata, spiraliter subremote lirata, albina, maculis fuscis nebulosa, supra medium anfractuum albizonata; anfr. 8 subplanis, ultimus basi rude plicatus; apertura elongata; columella 4-plicata.*

Long. 18, lat. 9; ap. long.  $5\frac{1}{2}$ , lat.  $3\frac{3}{4}$  mill.

Hab. Nova Caledonia.

**MITRA ANTONELLI.** *Testa oblongo-fusiformis, fusca, costis spiralibus, apicem versus evanescentibus, longitudinalibus validis, griseis, fenestrata, fascia alba supra medium cingulata, nitens; sutura distincta; anfr. 8-9 vix convexiusculi, ultimus  $\frac{1}{2}$  longitudinis aequans, subrecurvus; labrum callo dentiformi junctum, intus crenatum; apertura fusca, dentibus 5 columellaribus armata.*

Long. 27, lat. 9; ap. long.  $13\frac{1}{2}$ , lat. 4 mill.

Hab. Philippine Islands.

Allied to *M. obeliscus*, Reeve.

**MITRA ASTYAGIS.** *Testa conoidea, laxigata, nitida, sub epidermide cinereo-viridi cærulescens, apice fuscescente, prope suturam subacute carinata, carina interrupte fusco cingulata; spira acuminata; anfr. 7-8 convexiusculi, ultimus latus,  $\frac{3}{4}$  longitudinis aequans, ad basin pauci-liratus; apertura linealis, callosa, intus fusco-ferruginea, labro albo; columella 4-plicata.*

Long. 26, lat. 10; ap. long. 18, lat. 3 mill.

Hab. New Caledonia.

Readily distinguished from *M. bacillum*.

**MITRA CYRI.** *Testa fusiformis, spiraliter late striata, nitida, alba, seriatim maculis quadratis fuscis picta; sutura simplex; spira mucronata; anfr. 8-9 lente accrescentes, convexiusculi, ultimus  $\frac{3}{4}$  longitudinis aequans, ad suturam subangulatus; apertura alba, elongata, angusta; columella 4-plicata.*

Long. 18, lat.  $4\frac{1}{2}$ ; ap. long. 10, lat.  $1\frac{1}{2}$  mill.

Hab. New Caledonia.

Agrees in some respects with *M. fulgetrum*; distinguished by the smooth spiral lines, colouring, &c.

✓ **MITRA WISEMANI.** *Testa ovato-turrita, longitudinaliter arcuato-costata, spiraliter sulcata, interstitiis granosis, alba, fulvo medio interrupte unifasciata; sutura distincta; anfr. 7-8 planiusculi, supra medium subangulati, lente accrescentes, ultimus basi contractus; apertura alba, oblonga; columella 4-plicata.*

Long. 25, lat. 10; ap. long. 12, lat.  $5\frac{1}{2}$  mill.

Hab. Sandwich Islands.

Nearly allied to *M. arenosa*, Lam.

**MITRA JUDÆORUM.** *Testa elongato-ovata, plicis longitudinalibus, sulcis spiralibus ornata, parum nitida, aurantiaco-fulva,*

*plicis et basi columellari albis, varie albo et fusco fasciata vel punctata; sutura distincta; spira acuminata; anfr. 8 concrexi, lente accrescentes, ultimus basi vix recurvus; apertura angusta, cærulescens, intus fusca, crenata; labrum callo crasso junctum; columella plicis 4 validis armata.*

Long. 22, lat. 8; ap. long. 10, lat. 3 mill.

Hab. Red Sea.

This fine species approaches *M. cruentata*, Chem., in general aspect.

**MITRA SAMUELIS.** *Testa oblongo-ovata, solida, fulvo-viridis, spiraliter remote fusco lirata, subtilissime decussata; sutura marginata; anfr. 7-8 plani, ultimus antice ascendens; apertura angusta, intus cærulescens; labrum incrassatum, album, denticulatum; columella 4-plicata.*

Long. 28, lat. 10; ap. long. 15, lat. 5 mill.

Hab. Sandwich Islands.

**MITRA PLEBEIA.** *Testa elongato-oblonga, apice acuto, subremote spiraliter striata, albescens, maculis fulvis vel fuscis nebulosa; sutura simplex; anfr. 7-8 subplani, lente accrescentes, ultimus basi attenuatus; apertura albida; columella 5-plicata.*

Long. 23, lat. 8; ap. long. 12, lat. 3½ mill.

Hab. Sandwich Islands.

**MITRA ANTONI.** *Testa acuminato-crata, nitida, spiraliter anguste sulcata, unicolor flava, apice albescente; sutura marginata; anfr. 6-7 planiusculi, ultimus ventrosior, medio subangulatus; apertura albescens, orato-rhombea, labro crenato; columella 4-plicata.*

Long. 20, lat. 8; ap. long. 10, lat. 3 mill.

Hab. Sandwich Islands.

**MITRA GIBBA.** *Testa acuminato-ovata, solida, lærvis, sub epidermide cornea unicolor fusca, obsoletissime raro lirata; sutura crenata; anfr. 6 planiusculi, ultimus antice descendens, pone aperturam gibbus, basi distinctius liratus; apertura intus cærulecenti-albida; labrum callosum, crenulatum; columella 4-plicata.*

Long. 27, lat. 12; ap. long. 14½, lat. 4 mill.

Hab. New Caledonia.

**MITRA NUX-AVELLANA.** *Testa orata, solida, albina, fusco maculata, spiraliter sulcata, longitudinaliter striata; sutura indistincta; anfr. 5 convexiusculi, apice obtuso, ultimus magnus, ventrosus, basi minime recurvus; apertura pyriformis; columella 4-plicata.*

Long. 15, lat. 8½; ap. long. 10½, lat. 3 mill.

Hab. Sandwich Islands.

Allied to *M. texturata*.